

# Lilia Krivodonova

## List of Publications by Year in descending order

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24  
papers

1,201  
citations

840776

11  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock detection and limiting with discontinuous Galerkin methods for hyperbolic conservation laws. Applied Numerical Mathematics, 2004, 48, 323-338.	2.1	330
2	Limiters for high-order discontinuous Galerkin methods. Journal of Computational Physics, 2007, 226, 879-896.	3.8	244
3	A posteriori error estimation for discontinuous Galerkin solutions of hyperbolic problems. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 1097-1112.	6.6	178
4	High-order accurate implementation of solid wall boundary conditions in curved geometries. Journal of Computational Physics, 2006, 211, 492-512.	3.8	158
5	Aspects of discontinuous Galerkin methods for hyperbolic conservation laws. Finite Elements in Analysis and Design, 2002, 38, 889-908.	3.2	43
6	An efficient local time-stepping scheme for solution of nonlinear conservation laws. Journal of Computational Physics, 2010, 229, 8537-8551.	3.8	41
7	An analysis of the spectrum of the discontinuous Galerkin method. Applied Numerical Mathematics, 2013, 64, 1-18.	2.1	33
8	Error Estimation for Discontinuous Galerkin Solutions of Two-Dimensional Hyperbolic Problems. Advances in Computational Mathematics, 2003, 19, 57-71.	1.6	29
9	Discontinuous Galerkin methods on graphics processing units for nonlinear hyperbolic conservation laws. International Journal for Numerical Methods in Fluids, 2014, 76, 982-1003.	1.6	29
10	A discontinuous Galerkin method for solutions of the Euler equations on Cartesian grids with embedded geometries. Journal of Computational Science, 2013, 4, 24-35.	2.9	21
11	A robust CFL condition for the discontinuous Galerkin method on triangular meshes. Journal of Computational Physics, 2020, 403, 109095.	3.8	18
12	Analysis of slope limiters on unstructured triangular meshes. Journal of Computational Physics, 2018, 374, 1-26.	3.8	12
13	Face coloring in unstructured CFD codes. Parallel Computing, 2017, 63, 17-37.	2.1	9
14	An analysis of the spectrum of the discontinuous Galerkin method II: Nonuniform grids. Applied Numerical Mathematics, 2013, 71, 41-62.	2.1	7
15	A Moment Limiter for the Discontinuous Galerkin Method on Unstructured Triangular Meshes. SIAM Journal of Scientific Computing, 2019, 41, A508-A537.	2.8	7
16	A Two-Dimensional Study of Finite Amplitude Sound Waves in a Trumpet Using the Discontinuous Galerkin Method. Journal of Computational Acoustics, 2014, 22, 1450007.	1.0	6
17	Interpolation of two-dimensional curves with Euler spirals. Journal of Computational and Applied Mathematics, 2014, 261, 320-332.	2.0	6
18	Adaptive mesh refinement on graphics processing units for applications in gas dynamics. Journal of Computational Physics, 2019, 381, 67-90.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Relaxing the CFL Number of the Discontinuous Galerkin Method. SIAM Journal of Scientific Computing, 2014, 36, A2047-A2075.	2.8	5
20	A moment limiter for the discontinuous Galerkin method on unstructured tetrahedral meshes. Journal of Computational Physics, 2020, 404, 109106.	3.8	5
21	Galerkin Finite Element Based Modeling of One Dimensional Packed Bed Reactor for Underground Coal Gasification (UCG) Process. IEEE Access, 2020, 8, 223130-223139.	4.2	5
22	On the optimal CFL number of SSP methods for hyperbolic problems. Applied Numerical Mathematics, 2019, 135, 165-172.	2.1	4
23	A high-order moment limiter for the discontinuous Galerkin method on triangular meshes. Journal of Computational Physics, 2021, 433, 110188.	3.8	3
24	Spatial and Modal Superconvergence of the Discontinuous Galerkin Method for Linear Equations. Journal of Scientific Computing, 2017, 72, 128-146.	2.3	2